

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW041019\  
 Data File : VW009887.D  
 Acq On : 10 Apr 2019 18:49  
 Operator : SY/VA  
 Sample : K2340-10  
 Misc : 5.85G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF157

Quant Time: Apr 11 03:47:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 11 03:44:42 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 449773   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 440828   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 201574   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 116903   | 19.86    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.44%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 112920   | 20.94    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.76%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 229598   | 18.14    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.56%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 148529   | 77.72    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 155.44%# |
| 24) Chloroform-d               | 7.65   | 84    | 342982   | 27.95    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 111.80%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 225861   | 29.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 119.92%  |
| 29) Benzene-d6                 | 8.27   | 84    | 611297   | 26.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 105.68%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 200467   | 28.05    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 112.20%  |
| 37) Toluene-d8                 | 10.32  | 98    | 523722   | 24.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 97.92%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 86524    | 25.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 101.52%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 101674   | 75.47    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 150.94%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 211318   | 31.80    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 127.20%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 210269   | 29.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 118.92%  |

## Target Compounds

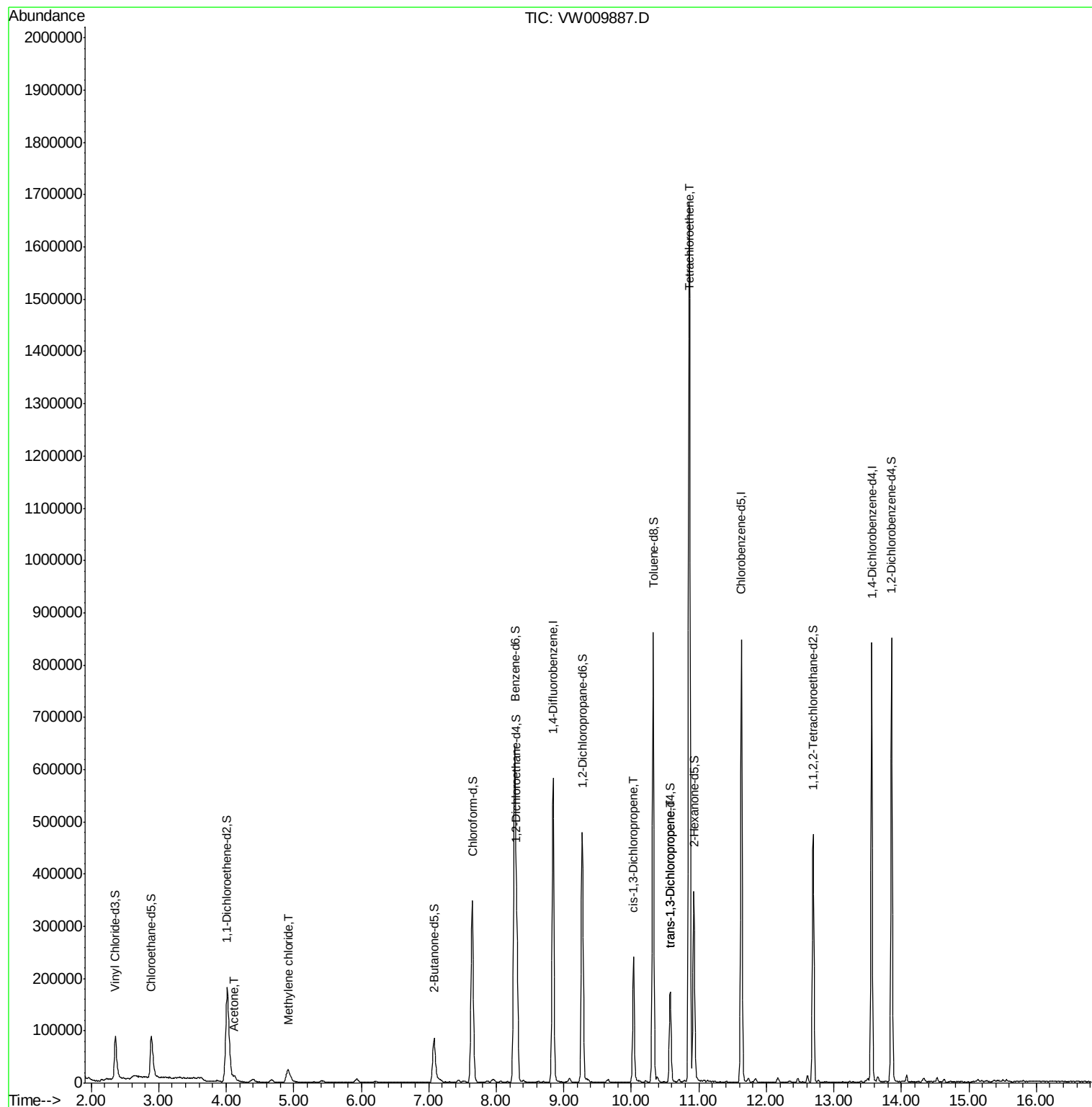
|                               |       |     |        |              | Qvalue |
|-------------------------------|-------|-----|--------|--------------|--------|
| 13) Acetone                   | 4.12  | 43  | 14925  | 7.289 ug/L   | 97     |
| 16) Methylene chloride        | 4.92  | 84  | 14607  | 1.841 ug/L   | 98     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75  | 7364   | 0.700 ug/L # | 77     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75  | 6679   | 0.737 ug/L   | 90     |
| 47) Tetrachloroethene         | 10.86 | 164 | 339792 | 62.157 ug/L  | 99     |

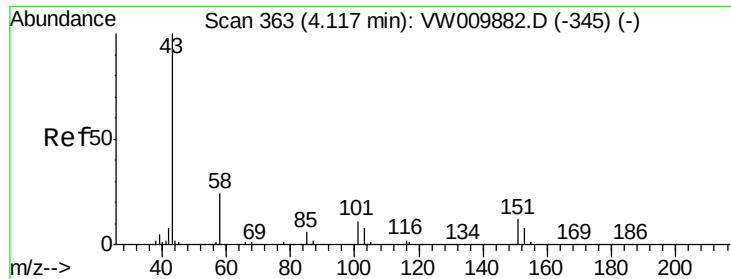
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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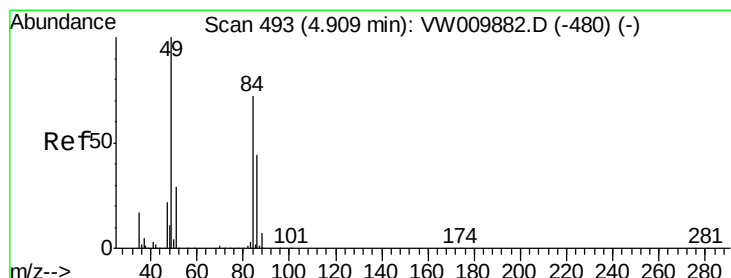
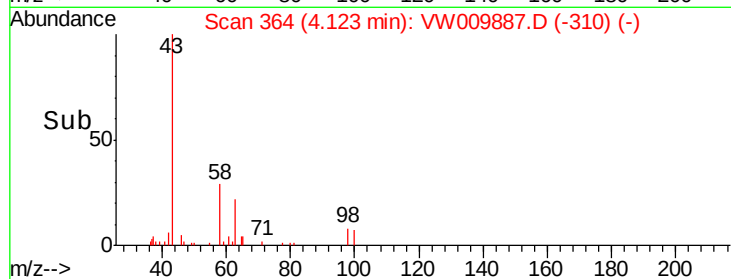
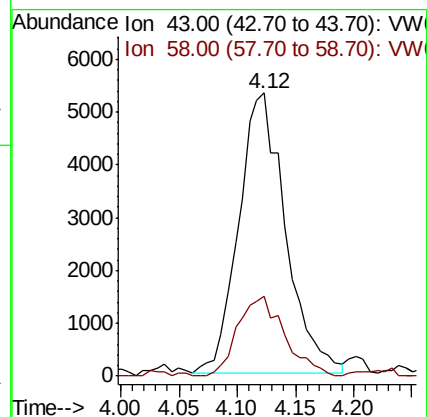
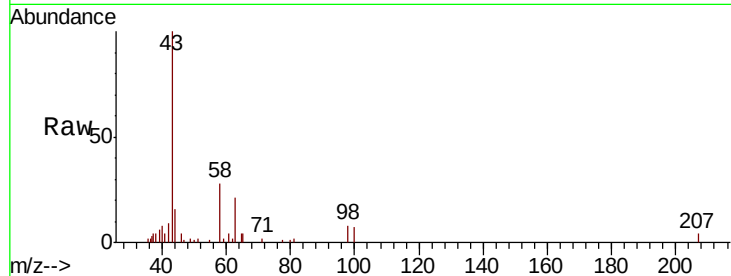




#13  
Acetone  
Concen: 7.289 ug/L  
RT: 4.12 min Scan# 364  
Delta R.T. 0.00 min  
Lab File: VW009887.D  
Acq: 10 Apr 2019 18:49

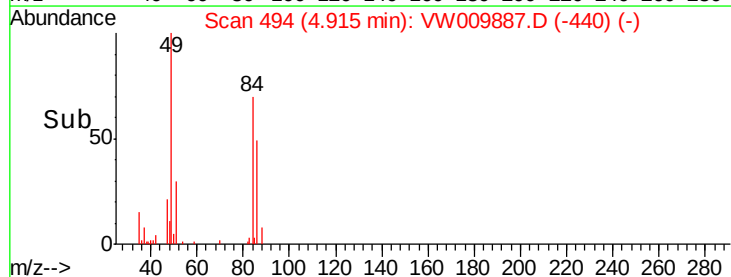
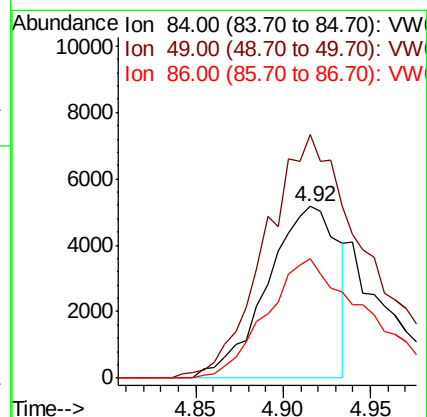
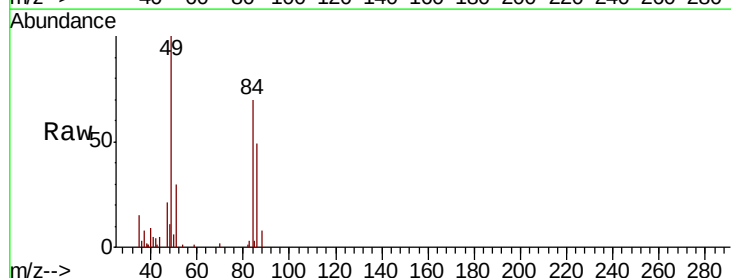
Instrument :  
MSVOA\_W  
ClientSampled :  
BF157

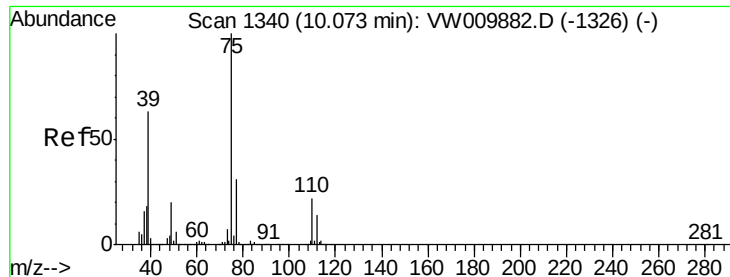
Tgt Ion: 43 Resp: 14925  
Ion Ratio Lower Upper  
43 100  
58 28.2 0.0 53.0



#16  
Methylene chloride  
Concen: 1.841 ug/L  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW009887.D  
Acq: 10 Apr 2019 18:49

Tgt Ion: 84 Resp: 14607  
Ion Ratio Lower Upper  
84 100  
49 141.9 98.3 182.5  
86 69.4 46.4 86.2





#42

cis-1,3-Dichloropropene

Concen: 0.700 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.04 min

Lab File: VW009887.D

Acq: 10 Apr 2019 18:49

Instrument :

MSVOA\_W

ClientSampleId :

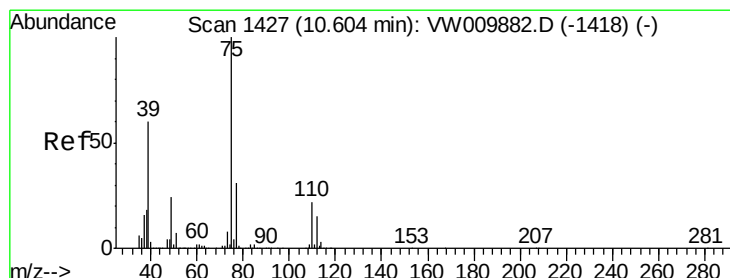
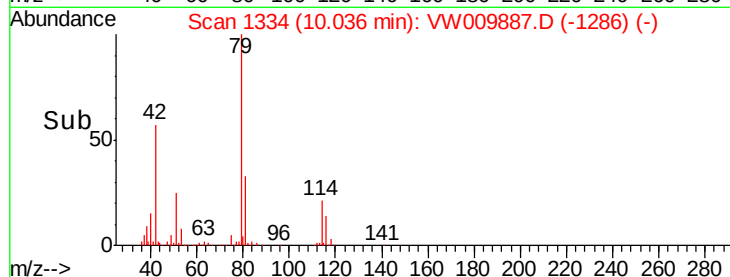
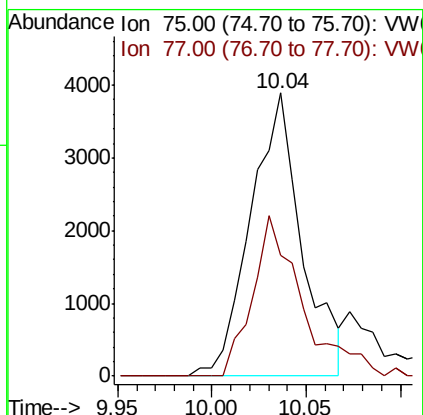
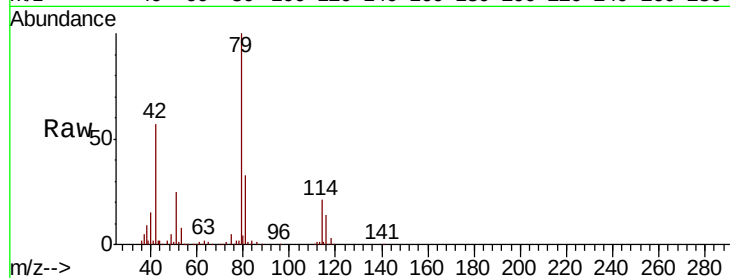
BF157

Tgt Ion: 75 Resp: 7364

Ion Ratio Lower Upper

75 100

77 42.5 21.0 39.0#



#45

trans-1,3-Dichloropropene

Concen: 0.737 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009887.D

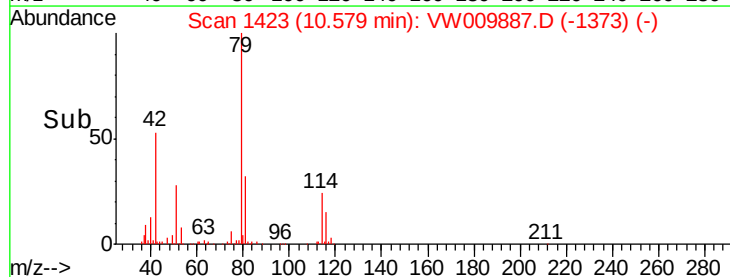
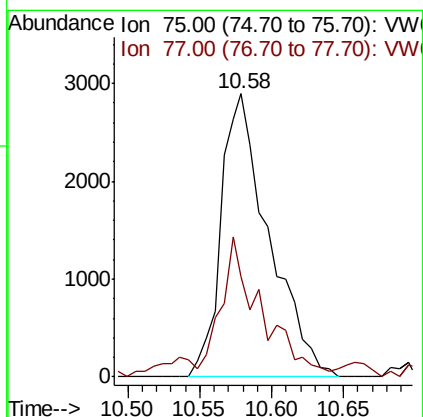
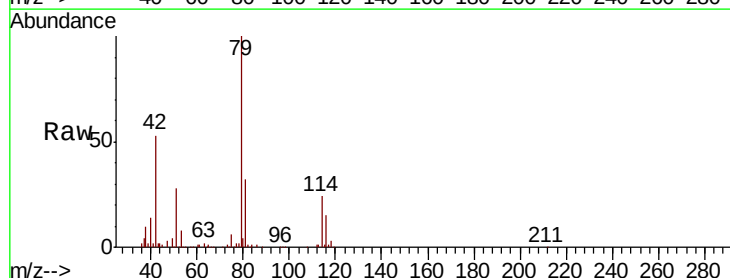
Acq: 10 Apr 2019 18:49

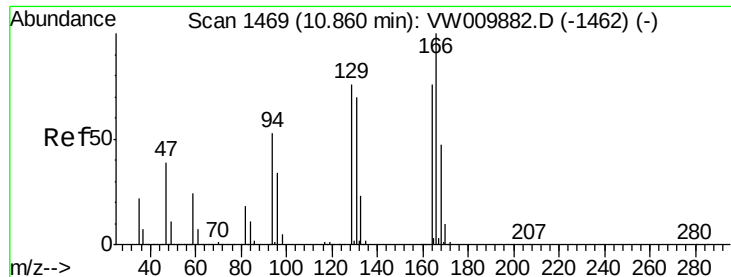
Tgt Ion: 75 Resp: 6679

Ion Ratio Lower Upper

75 100

77 35.5 21.1 39.3





#47

Tetrachloroethene

Concen: 62.157 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009887.D

Acq: 10 Apr 2019 18:49

Instrument :

MSVOA\_W

ClientSampleId :

BF157

Tgt Ion:164 Resp: 339792

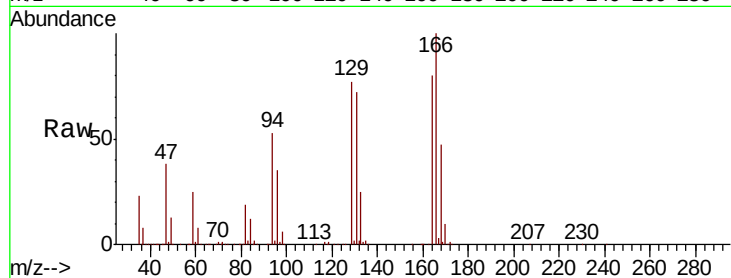
Ion Ratio Lower Upper

164 100

129 95.8 68.9 127.9

131 90.3 63.1 117.1

166 125.0 88.5 164.4



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

